

### **Amendments to the Specification**

Please add the following new paragraph after the brief description of Figure 15 on page 5 of the specification :

Figure 16 schematically illustrates an embodiment of the present invention having multiple autonomous agents optimized for submersible operation in different density fluids.

Please replace paragraph [0056] with the following amended paragraph:

Another embodiment of the invention (schematically illustrated in Figure 16) makes use of multiple autonomous agents optimized for submersible operation in different density fluids. The agents may be autonomous tools, transmitters, or receivers. The first agent 300 can transfer a signal command from its location of origin to the boundary of the first fluid 302 to a second fluid 304. The second agent 306 can receive the signal command in the second fluid 304 and respond to the signal command (for example by retrieving information or executing the command). In addition, the second agent 306 can transfer a signal back to the first agent 300. This relay of signal commands or information between autonomous agents optimized for submersible operations in different density fluids can use multiple autonomous agents and perform across multiple fluid interfaces. This relay of signal commands or information between autonomous agents can extend up or down-hole, between horizontal and vertical wellbores, and between multilateral wellbores and the main wellbore.